

bsm-54101R**[Primary Antibody]****BioSS**
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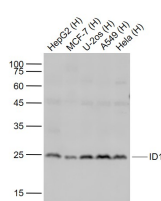
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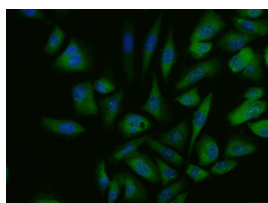
400-901-9800

ID1 Recombinant Rabbit mAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-1000) ICC/IF (1:100) Reactivity: Human Predicted MW.: 16 kDa Subcellular Location: Cytoplasm ,Nucleus
Clonality: Recombinant	CloneNo.: 5F1	
GeneID: 3397	SWISS: P41134	
Target: ID1		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4°C.		
Background: ID proteins contain a helix-loop-helix (HLH) motif and regulate tissue-specific transcription within several cell lineages. They do not bind DNA directly, but inhibit lineage commitment by binding basic helix-loop-helix (bHLH) transcription factors through their HLH motif. ID proteins contribute to cell growth, senescence, differentiation and angiogenesis. Id1 mRNA is highly expressed in heart, lung and kidney and has lower expression in brain and liver. Two transcript variants encoding different isoforms have been found for this gene.		

— VALIDATION IMAGES —

Sample: Lane 1: HepG2 (Human) Cell Lysate at 30 ug
 Lane 2: MCF-7 (Human) Cell Lysate at 30 ug
 Lane 3: U-2os (Human) Cell Lysate at 30 ug
 Lane 4: A549 (Human) Cell Lysate at 30 ug
 Lane 5: Hela (Human) Cell Lysate at 30 ug
 Primary: Anti-ID1 (bsm-54101R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 16 kD
 Observed band size: 25 kD



U2OS cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (ID1) monoclonal Antibody, Unconjugated (bsm-54101R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.